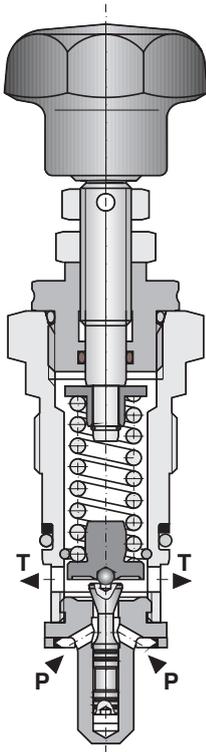


Pressure Relief Valve, Poppet Type, Direct Acting

VPP2-06

M28 x 1,5 • Q_{max} 50 l/min (13 GPM) • p_{max} 320 bar (4600 PSI)



Technical Features

- › Excellent stability throughout flow range with rapid response to dynamic pressure changes
- › Low hysteresis, accurate pressure control and low pressure drop
- › Wide pressure range up to 320 bar
- › Hardened precision parts
- › Sharp-edged steel seats for dirt-tolerant performance
- › Leak-free closing, suitable for fast cycling with long life
- › Adjustable by allen key or hand screw
- › In the standard version, the valve surface is black oxide coated and the valve housing is phosphated. Alternatively, they are zinc-coated with corrosion protection of 240 h or 520 h in NSS acc. to ISO 9227

Functional Description

A poppet type, direct acting hydraulic relief valve in the form of a screw-in cartridge intended for use as a pressure limiting device for common hydraulic circuit protection. The spring acts on the poppet and presses it onto the valve seat. If the hydraulic pressure is below the pre-set value, the valve is closed. If the hydraulic force exceeds the pre-set value the valve opens and flow passes to the tank port until the system pressure falls below the spring pre-set value and the valve closes again.



Technical Data

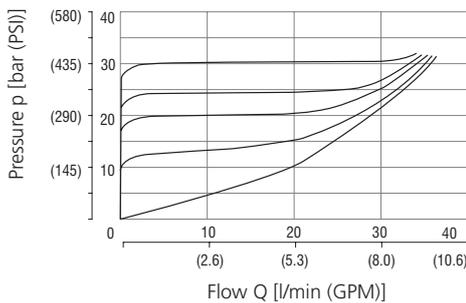
Valve size / Cartridge cavity		M28 x 1,5 / QP2
Max. flow	l/min (GPM)	50 (13.2)
Max. operating pressure	bar (PSI)	320 (4600)
Fluid temperature range (NBR)	°C (°F)	-30...+100 (-22 ...212)
Fluid temperature range (FPM)	°C (°F)	-20 ... +120 (-4 ... +248)
Weight	kg (lbs)	0.4 (0.88)

		Datasheet	Type
General information		HA 0060	Products and operating conditions
Valve bodies	In-line mounted	HA 0018	SB-QP2*
Cavity details		HA 0019	SMT-QP2*
Spare parts		HA 8010	

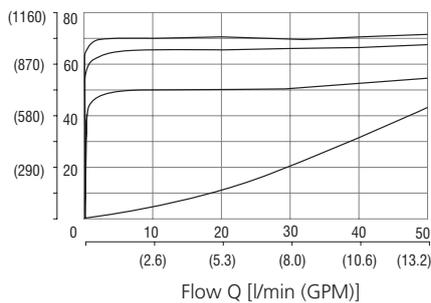
Characteristics measured at v = 32 mm²/s (156 SUS)

Relief pressure related to flow rate

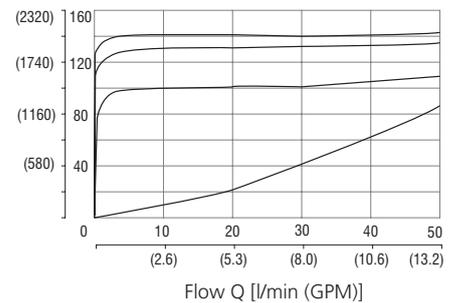
Pressure range 2.5



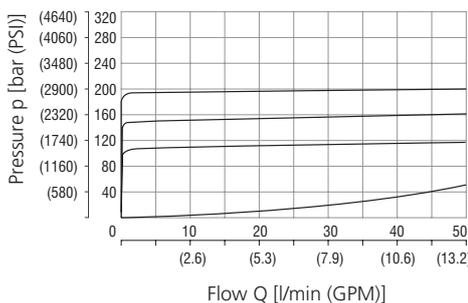
Pressure range 6.3



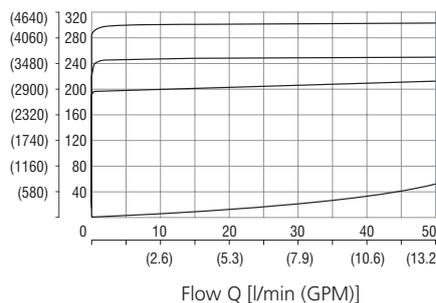
Pressure range 10



Pressure range 16



Pressure range 25



Pressure range 32

